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## PATENT ABSTRACTS OF JAPAN

(11) Publication number: **07283621 A**(43) Date of publication of application: **27.10.95**(51) Int. Cl. **H01P 5/18**(21) Application number: **06095679**(71) Applicant: **ADVANTEST CORP**(22) Date of filing: **08.04.94**(72) Inventor: **MORI EIJI****(54) DIRECTIONAL COUPLER****(57) Abstract:**

**PURPOSE:** To improve the direction characteristic by providing a triangular taper punched pattern in a part of an earth conductor just under the rear face of a coupler line to reduce the difference of the effective dielectric constant changed between even mode propagation and odd mode propagation.

**CONSTITUTION:** A triangular taper punched pattern 21a is provided in a part of the earth conductor just under the rear face of a coupler line 21. When a frequency characteristic will be given to the coupler, wavy or arcuate projections are formed in sides of the triangle of the punched pattern 21a. Thus, the difference of the effective dielectric constant between even mode propagation and odd mode propagation is reduced to obtain a directional characteristic.

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